

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"541685".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:36
L2	7	("578924" "5267336").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:34
L3	5	"578924".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:35
L4	2	"5267336".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:35
L5	2	"5278924".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:35
L6	2	"5416859".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:36
S1	2	"20060093266".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 16:14

## EAST Search History

S2	2	("6198855").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 16:14
S3	2	"20060093266".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 01:02
S4	377993	((lithium NEAR niobate) or LiN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:16
S5	4250580	Z\$1cut or Z\$1plane or ZNEAR(cut or plane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:13
S6	9509	(mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:12
S7	21	Gilardi-Giovanni.in. Milanese-Paolo.in. Pensa-Simone.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 01:14
S8	6916	((lithium NEAR niobate) or LiN) WITH (substrate or chip or board or wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 01:16

## EAST Search History

S9	536699	(wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:01
S10	25357	((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:06
S11	90	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)))) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:09
S12	921065	(modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:08
S13	54	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S14	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10

## EAST Search History

S15	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S16	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S17	685	385/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S18	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S19	493	385/41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S20	3706	385/129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10
S21	8410	S14 S15 S16 S17 S18 S19 S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:10

## EAST Search History

S22	54	S6 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:12
S23	8	S6 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:12
S24	142626	S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:13
S25	4	S4 and S5 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 02:13
S26	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S27	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S28	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48

## EAST Search History

S29	685	385/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S30	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S31	493	385/41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S32	3706	385/129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:48
S33	8410	S26 S27 S28 S29 S30 S31 S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S34	1304	385/1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S35	1891	385/2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50

## EAST Search History

S36	1304	385/3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S37	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S38	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S39	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S40	5944	385/14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:50
S41	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:51
S42	2277	385/130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:51

## EAST Search History

S43	2176	385/131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:51
S44	13551	S33 S34 S35 S36 S37 S38 S39 S40 S41 S42 S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:51
S45	2184	359/245	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:51
S46	886	359/254	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52
S47	740	359/246	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52
S48	404	359/315	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52
S49	415	359/322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52

## EAST Search History

S50	15945	S44 S45 S46 S47 S48 S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52
S51	21	Gilardi-Giovanni.in. Milanese-Paolo. in. Pensa-Simone.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:52
S52	54	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:05
S53	90	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) WITH (Z\$1cut or Z\$1plane or ZNEAR(cut or plane))) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:53
S54	9509	(mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:53
S55	54	S54 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:53

## EAST Search History

S56	8	S54 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 12:24
S57	377993	((lithium NEAR niobate) or LiN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:53
S58	4250580	Z\$1cut or Z\$1plane or ZNEAR(cut or plane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:53
S59	4	S57 and S58 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 11:55
S60	0	("2006/0093266").URPN.	USPAT	OR	OFF	2007/06/19 11:56
S61	11	("20010038146"   "20030063362"   "20030077054"   "20030183927"   "20030235359"   "5123065"   "5208697"   "5602672"   "6101295"   "6323986"   "6437899").PN. OR ("7228014").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/19 12:07
S62	1	("6198855").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/19 12:07
S63	249	((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND (Z\$1cut or Z\$1plane or ZNEAR(cut or plane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:58

## EAST Search History

S64	180	S50 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:08
S65	15366	((lithium NEAR niobate) or LiNbO3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:16
S66	377993	((lithium NEAR niobate) or LiN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 13:16
S67	192	((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) AND ((lithium NEAR niobate) or LiNbO3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 14:02
S68	147	S50 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 14:01
S69	112	((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) NEAR4 ((lithium NEAR niobate) or LiNbO3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 14:02

## EAST Search History

S70	249	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:14
S71	21	Gilardi-Giovanni.in. Milanese-Paolo. in. Pensa-Simone.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:14
S72	192	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND (Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) AND ((lithium NEAR niobate) or LiNbO3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S73	112	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) NEAR4 ((lithium NEAR niobate) or LiNbO3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 11:37
S74	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21

## EAST Search History

S75	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S76	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S77	685	385/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S78	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S79	493	385/41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S80	3706	385/129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S81	8410	S74 S75 S76 S77 S78 S79 S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21

## EAST Search History

S82	1304	385/1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S83	1891	385/2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S84	1304	385/3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S85	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S86	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S87	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S88	5944	385/14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21

## EAST Search History

S89	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S90	2277	385/130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S91	2176	385/131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S92	13551	S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S93	2184	359/245	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S94	886	359/254	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S95	740	359/246	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21

## EAST Search History

S96	404	359/315	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S97	415	359/322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S98	15945	S92 S93 S94 S95 S96 S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S99	180	S98 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 17:21
S10 0	1	("2006/0023288").URPN.	USPAT	OR	OFF	2007/06/19 17:28
S10 1	5	("20040247225"   "20060023288"   "6091864"   "6449080"   "6763151").PN. OR ("7127128"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/19 17:37
S10 2	1	"20050180703".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/19 17:37
S10 3	2	"5895742".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 11:26

## EAST Search History

S10 4	120	((((wid\$2 or space or spaced or distance or seperate or apart) NEAR5 (electrode or contact or tace or ohmic or pad)) WITH (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) NEAR4 ((lithium NEAR niobate) or LiNbO3 or LN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 19:08
S10 5	54	(((((wid\$2 or large) NEAR5 electrode) WITH (waveguide or core)) SAME (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or ZNEAR(cut or plane)) NEAR4 ((lithium NEAR niobate) or LiNbO3 or LN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 16:24
S10 6	2	"5895742".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 19:30
S10 7	2	"6198855".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 19:30
S10 8	24	("4957362"   "5303079"   "5388170"   "5404412"   "5414791"   "5455876"   "5473711"   "5598490"   "5640267"   "5680497"   "5835212"   "5956171").PN. OR ("6198855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:33
S10 9	3	S108 and S105	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:34
S11 0	1	"20030063830".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:34
S11 1	0	("2003/0063830").URPN.	USPAT	OR	OFF	2007/06/21 19:34

## EAST Search History

S11 2	10	("5138480"   "5787211"   "6198855").PN. OR ("6449080").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:37
S11 3	35	("4694121"   "4695121"   "5303079"   "5339369"   "5416859"   "5459800").PN. OR ("5787211").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:41
S11 4	35	("4694121"   "4695121"   "5303079"   "5339369"   "5416859"   "5459800").PN. OR ("5787211").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 19:41
S11 5	44	(((((wid\$2 or large) NEAR5 electrode) WITH (waveguide or core)) SAME (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or (Z NEAR(cut or plane))) NEAR4 ((lithium NEAR niobate) or LiNbO3 or LN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S11 6	55	(((((wid\$2 or space or spaced or distance or separate\$2 or apart) NEAR5 (electrode or contact or trace or ohmic or pad)) WITH (waveguide or core)) SAME (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or (Z NEAR(cut or plane))) NEAR4 ((lithium NEAR niobate) or LiNbO3 or LN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 16:34
S11 7	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S11 8	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03

## EAST Search History

S11 9	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 0	685	385/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 1	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 2	493	385/41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 3	3708	385/129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 4	8412	S117 S118 S119 S120 S121 S122 S123	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 5	1304	385/1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03

## EAST Search History

S12 6	1891	385/2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 7	1304	385/3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 8	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S12 9	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 0	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 1	5944	385/14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 2	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03

## EAST Search History

S13 3	2277	385/130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 4	2177	385/131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 5	13554	S124 S125 S126 S127 S128 S129 S130 S131 S132 S133 S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 6	2184	359/245	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 7	886	359/254	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 8	740	359/246	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S13 9	404	359/315	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03

## EAST Search History

S14 0	415	359/322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:03
S14 1	15948	S135 S136 S137 S138 S139 S140	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:04
S14 2	37	S115 and S141	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 17:04
S14 3	44	(((wid\$2 or large) NEAR5 electrode) WITH (waveguide or core)) SAME (modulat\$4 or ((Frequency or wavelength) NEAR Spectrum) or (phase NEAR modulat\$4) or chirp)) AND (mach\$1Zehnder or (MZ NEAR Interferomet\$3) OR MZI) AND ((Z\$1cut or Z\$1plane or (Z NEAR(cut or plane))) NEAR4 ((lithium NEAR niobate) or LiNbO3 or LN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S14 4	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S14 5	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51

## EAST Search History

S14 6	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S14 7	685	385/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S14 8	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S14 9	493	385/41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 0	3708	385/129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 1	8412	S144 S145 S146 S147 S148 S149 S150	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 2	1304	385/1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51

## EAST Search History

S15 3	1891	385/2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 4	1304	385/3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 5	972	385/4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 6	1317	385/8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 7	1075	385/40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 8	5944	385/14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S15 9	3362	385/39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51

## EAST Search History

S16 0	2277	385/130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 1	2177	385/131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 2	13554	S151 S152 S153 S154 S155 S156 S157 S158 S159 S160 S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 3	2184	359/245	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 4	886	359/254	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 5	740	359/246	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 6	404	359/315	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51

## EAST Search History

S16 7	415	359/322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 8	15948	S162 S163 S164 S165 S166 S167	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:51
S16 9	37	S143 and S168	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:55
S17 0	2	"6584240".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 16:58
S17 1	2	"20020141679".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 19:32